

*Baskurnikov, A.*

BASKURNIKOV, A., inzh.

Aerosleighs. Tekh. mol. 26 no.1:31-32 '58.  
(Motor sledges)

(MIRA 11:1)

AUTHOR:

Beskurnikov, A., Engineer, Vice-President of 29-58 -5-3/26  
the Organizational Committee of the Moscow Society  
of Film Amateurs

TITLE:

Substandard Film Technique (Tekhnika maloy kinematografii)

PERIODICAL:

Tekhnika Molodezhi, 1958, Nr 5, pr 2-3 (USSR)

ABSTRACT:

The author describes the activity of independent film studios existing in various towns of the USSR. In these studios the most different photographic and projection apparatus are used. Many amateurs use the 35 mm wide, inflammable films usual in professional cinematography. In general, however non-flammable 16 and 8 mm narrow film are used for amateur pictures. They are already liked because their size is small, and the necessary apparatus for these films is not expensive. At present, a movie camera "Kiyev 16 S-2" is produced which is intended for 16 mm film. The pictures projected to the screen are up to 4 m in size and can be seen by about 200 to 300 people. Besides, the films can be copied onto a 35 mm film. For school and experimental purposes the film apparatus for 2 x 8 and 8 mm films is very popular. Within a short time a transportable film apparatus

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"Turist" matching this size is to be brought on the market. The taking of pictures can easily be learned and experience is collected in practice. It is recommended to start first with taking pictures on diapositives in order to prepare for future film work. The films are processed mechanically in professional studios. The amateurs must substitute with their own produced equipment. Usually the amateurs use a black-and-white film or a reversible color film. The working of a black-and-white film lasts about 2 hours and that of the color film about 2.5 hours. After this work has been done the film is cut and mounted. The pictures on a reversible film show no grain and are clearer on the screen. Projectors exist in many different types. Every good film must have sound. The tape recorder is used by amateurs to equip their films with sound. In order to produce artful films where it is important that sound and motion match exactly on the screen the sound is printed in near the cadres. For this purpose a magnetic tape is applied on the film. This method was first used in the Soviet Union by the engineers N. K. Klassov and A. T. Kurakin who also worked it out. The production of film apparatus for amateurs is still in its beginning at present. There are still great tasks to be

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Substandard Film Technique

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tackled for film industry and film amateurs.  
There are 3 figures.

ASSOCIATION? Orgkomitet Moskovskogo obshchestva kinolyubiteley  
(Organizational Committee of the Moscow Society of  
Film Amateurs).

AVAILABLE: Library of Congress

1. Motion pictures--Production 2. Photographic equipment  
--Applications 3. Magnetic recording systems

Card 3/3

BESKURNIKOV, A.

Society of Moscow amateur photographers. Sov.foto 13 no.10:72  
O '58. (MIRA 11:11)

1. Zamestitel' predsedatelya Orgkomiteta Moskovskogo gorodskogo  
obshchestva kinolyubiteley.  
(Photography--Societies)

BESKURNIKOV, A., inzh.

Techniques of amateur motion-picture photography. Tekh.mol.  
28 no.6:25 '60. (MIRA 13:7)

1. Zamestitel' predsedatelya Orgkomiteta Moskovskogo obshchestva  
kinoljubiteley.  
(Amateur motion pictures)

PALAKIN, T., inzh.-tekhnicheskij (g.Sverdlovsk); KUDRIK, L., inzh. (g.Leningrad,  
nab.Kutuzova, d.12, kv.10); BUL'GAKOV V, A. (g.Leningrad); BESKURNIKOV,  
A.; KHANANOV, A., inzh.

Advertising board. Izobr.i in. no.6156-57 Je '60. (NTBA 14:2)

1. Zamestitel' predsedatelya Moskovskogo obshchestva kinolyubiteley  
(for Beskurnikov). 2. 207 uchenyjek, avtobaza No.10, g. Sochi (for  
Khananov).

(Technological innovations)

BESKURNIKOV, A.A.; STAKHURSKIY, A.Ye., red.; ARKHAROVA, L.Ya., otv. red.;  
BLANKSHTEYN, S.S., tekhn. red.

[Laboratory for the processing of motion-picture films] Kino. Laboratoriia na stole. Moskva, Izd-vo "Detskii mir." (Prilozhenie k zhurnalu "IUnyi tekhnik," no.18(108)) No.1. 1961. 1 gold. 1.  
(MIRA 14:8)

1. TSentral'naya stantsiya yunykh tekhnikov, Moscow.  
(Amateur motion pictures—Equipment and supplies)

BESKURNIKOV, A.A.; STAKHURSKIY, A.V., red.; ARKHAROVA, L.Ya., otv. red.;  
PRONINA, T.L., tekhn. red.

[Table laboratory for motion picture processing] Kinolaboratoriia na  
stole. Moskva, Izd-vo "Detskiy mir," (Prilozhenie k zhurnalu "IUnyi  
tekhnik," no.19(109)) No.2. 1961. 1 fold.1. (MIRA 14:9)

1. TSentral'naya stantsiya yunykh tekhnikov, Moscow.  
(Amateur motion pictures—Equipment and supplies)

L 60274.65 ENT(1)/T JRT/GW

ACCESSION NR: AP5018902

UR/0340/65/000/007/0038/0038

AUTHOR: Beskurnikov, A. (Engineer)

TITLE: About a motor sled

SOURCE: Sel'skiy mekhanizator, no. 7, 1965, 38

TOPIC TAGS: snow vehicle, transportation/ IZh GM motorcycle engine, GPI 18 motor sled

ABSTRACT: The motor sled PGI-18 was developed at the Gor'kovskiy politekhnicheskiy institut (Gorkiy Polytechnical Institute) under the guidance of S. V. Rukavishnikov. This 2-passenger vehicle develops a speed of 20 km/hr, climbs drifts up to 70 cm, and is maneuverable in forest areas. It is powered by a 14-hp IZh-GM motorcycle engine, runs on caterpillar treads connected to skis, and can be easily constructed in farm shops. Orig. art. has 1 photograph.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PR

NO REF Sov: 000

OTHER: 000

Cord 1/1

KARPOV, Remir Nikolayevich; MASLENOK, Boris Arkad'yevich; TSYGANKO,  
Oleg Leonidovich; BESKURNIKOV, A.I., inzh., retsenzent;  
SULOYEV, A.V., kand. tekhn. nauk, retsenzent; AL'KIMOVICH,  
A.V., nauchn. red.; KIL'VEYN, G.S., red.

[Drives of the control system of power-generating marine  
nuclear reactors] Privody reguliruiushchikh organov sude-  
vykh atomnykh energeticheskikh reaktorov. Leningrad,  
Sudostroenie, 1965. 250 p. (MIRA 19:1)

FRANCHE, L.; VITA, Alia; BESLEAGA, E.; APOSTOL, A.; BALTIU, Ariadna; BATCU, A.  
BLINDU, P.; BIJUM, Miria [deceased]; BRAUNER, E.; CUCIUREANU, Georgeata;  
DUMITRIU, St.; FELLER, H.; MICO, I.; MIHUL, Valentina; OVANESCO, A.;  
PAPP, E.; RADULESCO, Al.

Contributions concerning allergic complications of scarlatina  
within the scope of data obtained by current research. Arch.  
roum. path. exp. microbiol. 22 no.4:909-918 S-D'63

1. Travail de l'Institut Medico-Pharmaceutique, Jassy, et de  
l'Hopital des Maladies Contagieuses de Jassy.

ZAVATE, Olga; DOGARU, Maria; CONSTANTINESCU, N.; FRANCHE, Maria; SECU, A.  
OVANESCU, Al.; BESLEAGA, E.

Research on recurrences of exanthematous typhus. III.  
Comparative evolution of serological tests in typhys  
recurrences and primary infections. Stud. cercet.  
inframicrobiol. 15 no.3:245-253 '64.

STOIAN, Rodica; DONEAUD, A.; BESLEAGA, N.

Checking the forecast of the wind velocity and direction at the  
500 mb. level in Bucharest. Meteorologia hidrol gosp 7 no.2:  
122-125 '62.

DONEAUD, A.; BESLEAGA, N.

Numerical computation of probable maps of baric topography  
(500 mb) and the efficiency of this computation for weather  
forecasts in Rumania. Meteorologia hidrol gosp 5 no.4:  
291-304 '60.

BESLEAGA, N.

A method for making probable charts of the surface baric field  
for 24-hour periods. Meteorologija hidrol gosp 6 no.1:61-68  
'61.

BESLEAGA, N.; DONEAUD, A.; STOIAN, Rodica

Efficiency analysis of the vertical velocity calculation  
effected by considering some atmospheric models. Meteoro-  
logia hidrol. gosp. 8 no.2: 80-84 '63

BACINSCHI, D.; BESLEAGA, N.

Symposium of Numerical Forecasting, Moscow, June 24-29, 1963.  
Meteorologia hidrol gosp 8 no.3:145-146 '63.

DONEAUD, Andrei; BESLEAGA, Nicolae; STOIAN, Rodica

Results of the experiments on some numerical graphanalytic methods of drawing up probability charts at the 1,000 millibar level. Hidroteh apele meteor 10 no.1:27-31 Ja '65.

S/169/62/000/009/087/120  
D228/D307

AUTHOR: Besleaga, N.

TITLE: Method of constructing forecasting charts for the near-ground pressure field 24 hours ahead

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 44, abstract 9B257 (Meteorol., hidrol. și gospod. apelor, 6, no. 1, 1961, 61-68 (Rum.; summaries in Rus., Fr. and Eng.))

TEXT: The author describes a simple method that is being applied in Rumania to obtain forecasting charts for the near-ground pressure field. It is based on the application of a simple rule of objective character and requires no great practical synoptic experience. The method's advantage is that it allows satisfactory forecasts to be obtained in 2 hours for the isobar configuration 24 hours ahead (from 02 to 02 hrs). The pressure change  $\frac{\partial p}{\partial t}$  in mb for the corresponding period ahead is obtained from the 24-hourly changes of the 500-mb surface and the OT-500/1000 in geopotential

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D228/D307

Method of constructing ...

decameters by the formula:

$$\frac{\partial p_1}{\partial t} = \left( \frac{\partial H - 500}{\partial t} - \frac{\partial H - 500 / 1000}{t_0} \right) / \Delta H$$

A 500-mb surface chart on which the flow lines are drawn is applied subsidiarily to extrapolate the values obtained for the pressure trend. These lines determine the wind (according to the gradient wind rule) and displace the pressure trend's initial values along the subsidiary map's contour lines in conformity with the gradient wind velocity and the forecasting period (24 hrs). The application of the thus calculated subsidiary chart (instead of 500- or 300-mb surface maps) gives more accurate flow lines over constant intervals and ensures that the wind can be determined along the trajectories. A map of the pressure trend at 08 hrs and the correlation of various values in definite intervals of the trend's magnitude are utilized to make the resulting isallobar chart more precise. The practical application of a correlation table gave quite satis-

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Method of constructing ...

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D228/D307

factory results. Adding the more precise values of the pressure trend to the initial pressure values at 02 hrs, the pressure distribution 24 hours ahead is obtained. Daily forecast and actual isallobar charts and charts of the deviations of the forecasted values from the actual for Europe in the period from September 5 to 13, 1960, are cited as an example. The maps show that there is good coincidence between the forecasted and actual isallobar configuration over much of the chart's area. 7 references. [Abstracter's note: Complete translation.] ✓

Card 3/3

DONEAUD, A.; BESLEAGA, N.; STOIAN, Rodica

Considerations on the use of some graphoanalytic models in  
computing probable maps of surface baric field. Meteorologia hidrol  
gosp 7 no.1:10-24 '62.

BALESCU, O.I.; BESLEAGA, N.N.

Baric relief determining snowstorms in Rumania. Meteorologia  
hidrol gosp 7 no.1:36-49 '62.

BALESCU, O.I.; BESLEAGA, N.N.

Contributions to the aerologic study of the snowstorm phenomenon  
in Rumania. Meteorologia hidrol gosp 7 no.3:217-221 '62.

BERCOVICI, C., dr.; BESLEAGA, Virginia, dr.; IOSUB, C., dr.; OANA, C., dr.; POPA, S., dr.

Contribution to the study of the frequency of dysenteric etiology in acute digestive disorders. Microbiologia (Bucur) 10 no.1:27-32 Ja-F'65.

1. Lucrare efectuata in Institutul de Igiena si Protectia muncii, Iasi si I.S.I.P.M., Iasi si Bacau.

B 25 / S A G A, V.

Country	1 HUMANIA
Category	1 Microbiology-Microbes Pathogenic for Man and Animal
Abs. Jour	1 Ref Muur - Biol., No.19, 1958, p.148
Author	1 Lopovorich, G.; Pechter, I.; Zoub, C.; Corber, S., et al.
Institut,	1
Title	1 Strains of Shigella flexneri of Four Types Isolated in Moldova
Orig. Pub.	1 Microbiol., Parasitol., et Epidemiol., 1957, Vol.2, No.6, p.148
Abstract	1 no abstract

Card: 1/1

-45-

BESLER, V. (L.)

BUCHAREST, R.  
BUREAU (in cap); Given Names

Country: Romania

Academic Degrees: Dr.

Affiliation:[not given]

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, No 3,  
May-Jun 61, pp 263-266.  
Data: "Considerations on the Dysentery Bacilli Strains of the Large-  
Sachs Group Isolated in Moldavia."

Co-authors:

BUCHER, V., Dr.  
JOGUBA, C., Dr.  
OLINICI, N., Dr.  
TRIPANIA, G., Dr.  
IOITA, S., Dr.

[Affiliations not given]

NESTORESCO, N.; BERCOVICI, C.; IOSUB, C.; TUPA, Alexandra; BESLEAGA, Virginia

On a new specimen of Vi bacteriophage of S. typhi. Arch. roum. path. exp. microbiol. 21 no.2:357-359 '62.

1. Centre National de Bacteriophages References -- Laboratoire des Phages enteriques.

(SALMONELLA TYPHOSA) (SALMONELLA PHAGES)

POPOVICI, Marcella; NESTORESCO, N.; SZEGLI, Lucia; FILIPESCO, S.; BERCOVICI, C.;  
IOSUB, C.; BESLEAGA, Virginia

Research with a view to extending the set of phages used in phage  
typing of *S. typhimurium*. Arch. roum. path. exp. microbiol. 21  
no.2:359-368 '62.

1. Institut "Dr. I. Cantacuzino" -- Bucarest (for Popovici, Nestoresco,  
Szegli, Filipesco). 2. Institut d'Hygiene -- Jassy (for Bercovici,  
Iosub, Besleaga).

(SALMONELLA TYPHIMURIUM) (SALMONELLA PHAGES)  
(BACTERIOPHAGE TYPING)

BERCOVICI, C.; IOSUB, C.; BESLEAGA, Virginia; POPA, S.

Considerations on the problem of classification of dysenteric bacilli. Phage typing as a criterion of classification of dysenteric bacilli. Arch. roum. path. exp. microbiol. 21 no.2: 373-380 '62.

1. Travail de l'Institut d'Hygiene et de Sante Publique de Roumanie,  
filiale de Fassy. Directeur: Prof. Dr. D. A. Cornelson.  
(SHIGELLA) (BACTERIOPHAGE TYPING)

BERCOVICI, C., dr.; BESLEAGA, Virginia, dr.; IOSUB, C., dr.; POPA, S., dr.; FREUND, S., dr.; OVANESCU, A., dr.; SABAREZI, I., dr.

Contribution to the problem of the germ carrier state in dysentery and its importance in epidemiology. I. Microbiologia (Bucur) 9 no.2: 137-143 Mr-Ap '64.

1. Lucrare efectuata in Institutul de igiena Republica Populare Romina Filiala Iasi.

POPA, S., dr.; POPA, Suzana, dr.; BERCOVICI, C., dr.; BESLEAGA, Virginia, dr.; IOSUR, C., dr.; FREUND, S., dr.

Contribution to the problem of the duration of the germ carrier state in dysentery and its importance in epidemiology. II. Carrier state in so-called healthy persons. Microbiologia (Bucur) 9 no.2: 145-150 Mr-Ap '64.

L 13060-66 EMA(j)/T/EWA(b)-2 JK

ACC NR: AP6005726

SOURCE CODE: RU/0023/65/010/001/0027/0032

AUTHOR: Bercovici, C.--Berkovich, K. (Doctor); Besleaga, Virginia--Beshlyaga, V. (Dr.)  
Iosub, C.--Iosub, K. (Doctor); Oana, C.--Oane, K. (Doctor); Popa, S. (Doctor)ORG: Institute of Hygiene and Labor Safety, Iasi, Bacau (Institutul de Igiene si  
Protectia muncii, Iasi, ISIPM) 32 BTITLE: Contributions to the study of the incidence of dysenteric etiology in acute  
digestive disorders

SOURCE: Microbiologia, parazitologia, epidemiologia, v. 10, no. 1, 1965, 27-32

TOPIC TAGS: digestive system disease, bacteria, gastroenterology, bacteria disease

ABSTRACT:  
In 117 subjects  
with acute digestive disorders, the authors established dysen-  
teric etiology in 44 percent of the cases by isolation of the  
dysenteric bacillus from the faeces. Because of the many simi-  
larities between dysentery and various digestive disorders with  
polymorphous diarrhoeic syndromes, the authors suggest that  
such disorders should be comprised in the category of dysentery 144.5  
so that true dysenteric cases will not be missed when taking  
prophylactic measures. Orig. art. has: 2 tables. [JPRS]SUB CODE: 06 / SUBM DATE: 11Jun63 / ORIG REF: 010 / OTH REF: 003  
SOV REF: 002

Card 1/1 (JK)

UDC: 616.935-02:616.34-008.314.4

L 04494-67 JK

ACC NR: AP6033621 (A) SOURCE CODE: RU/0023/66/011/005/0431/0435

AUTHOR: Birzu, Alexandrina (Doctor); Besleaga, Virginia -- Beshlyaga, Virginia (Doctor); Zavate, Olga (Doctor); Hutu, I. (Doctor); Khutsu, I. (Doctor); Iluca, V. -- Iluka, V. (Technical assistant); Varlan, V. -- Vyrlan, V. (Technical assistant)

ORG: Institute of Hygiene, Iasi (Institutul de igiena)17  
BTITLE: Rattus norvegicus as a pathogen carrierSOURCE: Microbiologia, parazitologia, epidemiologia, v. 11, no. 5, 1966, 431-435

TOPIC TAGS: animal disease, experiment animal, epidemiology, carrier state, pathogenic microbe

ABSTRACT: The state of pathogenic germs and conditioned pathogenic germ carriers were investigated in 106 rats captured in meat packing plants. It was found that 15.09% of the animals were carriers of S. enteritidis Gartner, and 1.8 % of S. typhimurium. Rats are carriers of conditioned pathogenic germs of the following genera and strains: Arizona, Citrobacter, Aerobacter, and Enterococcus (with predominance of Str. faecalis in 74% of the cases. Of the examined animals, 8.5%

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L 04494-67

ACC NR: AP6033621

showed potentially entero pathogenic coli-like germs, of types O<sub>125</sub> B<sub>15</sub> and  
O<sub>126</sub> B<sub>16</sub>. Orig. art. has: 3 tables. [Based on authors' abstract] *[W.A.50]* O

SUB CODE: 06/ SUBM DATE: 08May65/ ORIG REF: 005/ SOV REF: 002/  
OTH REF: 004/

Card 2/2 e o/p

CA

11A

\*\* The effect of antidiuretic upon cholesterol metabolism in horses. T. A. Shchukina, M. M. et al. (Ukraine) 1960, No. 4, 40-55; Chem. Zentral., 1961, II, 807. - Cholesterol was determined in various organs of rabbits, which had received injections of antidiuretic (cf. C. A. 54, 7418) in varying amounts (0.5 to 3.0 cc.) for a period of 1 to 20 days. A single injection will decrease total cholesterol content of the organism up to 30%; after repeated injections, the stored cholesterol will decrease up to 30% in the brain, lungs and spleen and increase in the kidneys, liver and suprarenal glands. C. S. 59

ASR-SEA METALLURGICAL LITERATURE CLASSIFICATION

*BESLEKOYEV, T.I.*

TSVILIKHOVSKAYA, Ye. Ye.; BEGLEKOYEV, T.I.; MAYAT, V. S.

Hypertension and coronary circulation; experimental investigation. Uchen. zapiski vtor. moskov. med. Inst. Stalina 1:128-132  
1951. (CLML 21:3)

1. Professor for Volin, Doctor Medical Sciences for Tsvilikhovskaya and Mayat, and Candidate Medical Sciences for Beglekoyev.

BESLEKOYEV, T. I.

BESLEKOV, T. I.

Liver glycogen content in agonal condition and death. Uchen.  
zapski vtor. moskov. med. Inst. Stalina 1:146-149 1951. (CLML 21;3)

1. Assistant. 2. Department of Pathological Physiology (Head --  
Honored Worker in Science Prof. G. P. Sakharov).

PLETNEVA, N.A., Professor; BAULINA, N.S., assistant; BESLEKOYEV, T.I.,  
dotsent.

Effect of partial excision of the cerebral cortex on intra-ocular pressure. *Vest. oft.* 34 no.5:3-8 S-0 '55 (MLRA 8:11)

1. Iz kliniki glaznykh bolezney (dir.-prof. N.A.Pletneva)  
II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.  
(EYE)

(EIE,  
tension off of partial cerebral decortication)

#### (CEREBRAL CORTEX) physiology

(aff. of partial siccis. on eye tension)

BESLEKOYEV, T. I.

BESLEKOYEV, T. I.: "Material for the study of certain types of intermediate metabolism in agony and recuperation." Second Moscow State Medical Inst imeni I. V. Stalin. Moscow, 1956. (Dissertations for the Degree of Doctor in Medical Sciences).

SO: Knizhnaya Letopis' No. 22, 1956

BESLEKOYEV, T.I.

Effect of royal jelly on the permeability of the capillaries.  
Inform.biul.o mat.moloch. no.3:8-9 '62. (MTRA 16:2)

1. Kafedra patologicheskoy fiziologii (zav. prof. T.I. Beslekoyev)  
Yaroslavskogo meditsinskogo instituta (dir. prof. N.Ye. Yarygin).  
(ROYAL JELLY--PHYSIOLOGICAL EFFECT) (CAPILLARIES--PERMEABILITY)

BESLEKOYEV, T.I. (Yaroslavl', ul. Revolyutsionnaya, d.5, kv.1); SUREBEYKINA,  
L.N. (Yaroslavl', 22, ul. Taislikhina, 12, kv.1)

Effect of thio-TEPA on the protein composition of the blood  
in sarcoma M-1. Vop. onk. 10 no.12:45-48 '64.

(MIRA 18:6)

1. Kafedry patologicheskoy fiziology (zav.- prof. T.I.  
Beslekoyev) Yaroslavskogo meditsinskogo instituta.

BESLIC, S.

Production of forage in Leskovac Valley. p. 39.  
Poljoprivreda. (Drustvo poljoprivrednih inzenjera i  
tehnicara NR Srbije) Beograd. Vol 4, no. 1 Jan 1956

SOURCE: East Europe Accessions Lists, (EEAL),  
Library of Congress Vol. 5, no. 11, Nov. 1956

2-4E3c  
4E3d

Determination of the mass and energy of ionizing particles by means of nuclear emulsions. II. M. Petrescu and L. Heslin, *Rev. Phys., Acad. rep. populaire Roumaine* 2, 229-32 (1957); cf. *ibid.* 55.—It had been suggested previously (*loc. cit.*) that the mass,  $m_x$ , of a particle with d. between  $n_1$  and  $n_2$  can be detd. by the no. of grains  $N_x$  on its track:  $m_x/m_0 = N_x/N_0$ , where  $m_0$  and  $N_0$  are the corresponding values of a known particle. The energy of the particle is obtained by the no. of residual grains from a calibration curve  $E = f(N)$ . Exptl. values of the distribution  $\sigma^2$  of 6 groups of protons in the range of 1000 grains, detd. on Ilford G5 emulsion, were 0.002, whereas the calcd. value was 0.0009. The significance of this difference, estd. by statistical mechanics, showed that  $m_x$  in 95% of cases could be detd. by the suggested method within 7%. I. Benbowite

11  
5

Determining  $Z$  with  $\delta$ -rays. C. Neglău and M. G. Petragiu. Acad. rep. populare Române, *Inst. fiz. atomică și Inst. fiz. Studii cercetări fiz.* 10, 37-45 (1959); cf. C.R. 23, 4890; 43, 1843; 50, 1031g.—A formula has been evolved, enabling detn. of  $Z$  for the light nuclei, by measurement of the no. of  $\delta$ -rays,  $N$  and  $N_0$ , between 2 ds., g and  $g_0$ , belonging to the track of an unknown  $Z$  and a standard track of known  $Z_0$ , resp. The formula is:  $N/N_0 = Z^{n+1}/Z_0^{n+1}$ , where  $n = 2$  or  $n = 1\frac{1}{2}$ . This method applies to cases where tracks do or do not stop within the emulsion. It is independent of the free path. The formula has been proven theoretically and exptl. for 6 protons and 6  $\alpha$ -particles, attaining an accuracy of 4-17%. M. Lapides

BESLiu, C.

19 8

Absolute measurement of thermal neutron flux intensities. Horia Hulubei, C. Besliu, Al. Berinde, M. Ivascu and N. Martalogni. ~~dead, rev. populară Române, Inst. fiz. atomica și Inst. fiz. Studii cercetări fiz. 10, 223-8 (1959); cf. Locqueneux, C.A. 44, 5717g; Haenny, C.A. 45, 5528c; Mercier, C.A. 48, 1822d.~~ — NIKFI nuclear emulsions are impregnated with  $\text{Li}_2\text{B}_3\text{O}_5$ , and B and Li concns. are detd. with 1% accuracy. A Ag sheet between the channel and the emulsions eliminates the resonance component. Several layers of the emulsion are successively exposed to the flux, at different time intervals. The slope of the graph representing the superficial d. of the tracks due to B as a function of ir- radiation time, enables detn. of the abs. value of the thermal neutron flux. Accuracy achieved is 3%, and the method has been verified for neutron fluxes emerging from a reactor channel, as well as from a 1-c. Po-Be source. A new method of layer scanning enables control of the accuracy of the measurement. M. Lapidus

HULUBEI, H., acad.; MARTALOGU, N.; IVASCU, M.; BESLIU, C.; BERINDE, A.; NEAMU, I.; FRANZ, I.

Angular distribution of the protons of 6.2 MeV, elastically and nonelastically diffused on S<sup>32</sup>. Studii cerc fiz 11 no.4:1023-1031 '60. (EEAI 10:8)

1. Institutul de fizica atomica, Bucuresti. 2.Comitetul de redactie, Studii si cercetari de fizica, redactor responsabil(for Hulubei). (Angular momentum(Nuclear physics)) (Protons) (Nuclear emulsions) (Sulfur) (Radioisotopes)

HULUBEI, H., acad.; MARTALOGU, N.; BESLIU, C.; IVASCU, M.; BERINDE, A.

Inelastic diffusion of the neutrons of 5,2 Mev. over As.  
Comunicarile AR 12 no.2:141-147 F '62.

1. Institutul de fizica atomica, Bucuresti.

CARPINISAN, Olimpia, ing.; TAFLAN, Mircea, chim.; DAN, V., ing.;  
BESLIU, L., ing.; KABA, E., ing.; VERTLEN, P., ing.; DAVID, V., ing.

Experiments for utilizing the hydrocyanic acid from the  
coke gas. Metalurgia Rum 15 no.5:348-352 My '63.

BESIDE

<sup>6</sup>  
IJP(c)

19 219

Total effective neutron cross section of arsenic in the  
range of energy from 0.01 to 0.1 e.v. I. Dumitrescu, S.  
Anastolescu, V. Matelchuk, and M. Besliu, Rev. phys.,  
Acad. rep. populaire Roumaine 5, 99-102 (1960) (in Russian);  
cf. CA 54, 10564r.—Total cross sections of As were detd.  
with a time-of-flight spectrometer with an energy resolution  
of 5.7% at 0.025 e.v. The data were fit by least squares to:  
 $\sigma (b.) = 0.968 E^{-0.8} + 3.75$ , where  $E$  is in e.v. The high-  
energy limit is  $(3.75 \pm 1.08)$  b. J. L. Rosenberg

f2

DRAGOMIRESCU, D.; APOSTOLESCU, St.; MATEICIUC, V.; BESLIU, M.

Totally effective section of arsenic for the neutrons in the energy range of 0,01 - 0,1 eV. Studii cerc fiz 11 no.1:77-81 '60. (EEAI 10:1)  
(Neutrons) (Arsenic) (Spectrometer)

RUMANIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research.

C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5217

Author : Beslui E., Peastrascu M.G.

Inst : -

Title : Determination of the Nuclear Charge from the Number of  $\delta$  Electrons

Orig Pub : Studii si cercetari fiz., 1959, 10, No 1, 37-45

Abstract : A procedure is described for determining the charge of light nuclei by the number of  $\delta$  electrons, formed by them upon passage through nuclear emulsion. The calculation formulas are given.

Card 1/1

13 E 5/24/66 D. v/a.

EXCERPTA MEDICA Sec.18 Vol.1/1 Cardiovascular Jan 57

157. BESMAN D. Ya. *The treatment of patients with cardiovascular failure, with erysid* (Russian text) Klin. Med. (Mosk.) 1955, 33/2 (50-53) Tables 1

Erysid is a glycoside prepared from Herba erysimi. It has a rapid strophanthin-like action, but the drug is less toxic than strophanthin and is non-cumulative. Since 1952, it has been used for insufficiency of the mitral valves, in a total of 47 cases. The effect of the treatment was definite; the patients felt subjectively better, the dyspnoea ceased, oedema disappeared. The results in 6 patients with attacks of cardiac asthma were equally favourable, although previous treatment had been unsuccessful. One ml. of the drug in 10 ml. 40% glucose was administered. The further, wider use of this therapeutic method is recommended.

BESMAN, Ignatiy Ivanovich

BESMAN, Ignatiy Ivanovich

[Crop rotation; practices of collective farms served by the  
Dzerzhinskiy Machine-Tractor Station] Vopry asvaennia sevazvarotau;  
na prykladze kahasau zony Dzerzhynskai MTS; Minskai voblastsi.  
Minsk, Dzianzh. vyd-va BSSR, 1957. 91 p. (MIRA 11:1)  
(Rotation of crops)

BABITSKIY, A.B., agronom; BESMAN, I.I., kand. sel'skokhozyaystvennykh nauk.

Experience in introducing crop rotations on the Stalin Collective Farm in Minsk Provinces. Zemledelie 7 no.11:31-35 N '59 (MIRA 13:3)

1. Kolkhoz imeni Stalina, Dzerzhinskogo rayona, Minskoy oblasti.  
(Minsk Province--Rotation of crops)

BESMAN, Ignatiy Ivanovich; ZENIN, Sergey Mikhaylovich; PROKOPOV, P.Ye.,  
red.; RABINOVICH, A., red.; KALECHITS, G., tekhn. red.

[Experience in mastering crop rotation in the Stalin Collective  
Farm] Opyt osvoenija sevcoborotov v kolkhoze imeni Stalina  
(Dzerzhinskii raion, Minskoi oblasti). Minsk, Gos.izd-vo BSSR.  
Red. sel'khoz. lit-ry, 1960. 50 p. (MIRA 14:12)

1. Chlen-korrespondent Akademii nauk BSSR (for Prokopova).  
(Dzerzhinsk District (Minsk Province))—Rotation of crops

SHOSTAK, F.T.; BESMAN, V.L.; SHISHLYANNIKOV, L.A.; TSKHAY, A.A.; LYUBMAN N. Ya.; KATSOVICH, F.A.

Study of critical velocities for the labyrinth-type electrodializers in the process of water demineralization. Trudy Inst. khim. nauk AN Kazakh. SSR 11:170-175 '64.

CA

III

Histamine treatment and *Streptococcus pneumoniae* morbidity in the guinea pig. A. B. L. Besnak, J. Horvath, and A. G. B. Kovach (Hungarian Biol. Research Inst., Tihany, Lake Balaton). *Arch. intern. pharmacodynamie* 81, 147-58(1950).—Guinea pigs treated for several weeks with small doses of histamine showed lung changes, including increased mucus secretion. These animals and a control group were injected with *Streptococcus pneumoniae*. Neither group developed pneumonia. Both groups became septicemic, with identical symptoms, but the histamine group resisted a larger dose of bacteria than the control group.

M. L. C. Bernheim

ACC NR: AP7005858

SOURCE CODE: UR/0181/66/008/012/3637/3639

AUTHOR: Aleksandrov, K. S.; Reshchikova, L. M.; Besnosikov, B. V.

ORG: Institute of Physics, SO AN SSSR, Krasnoyarsk (Institut fiziki SO AN SSSR)

TITLE: Anomalies of elastic properties in KMnF<sub>3</sub>

SOURCE: Fizika tverdogo tela, v. 8, no. 12, 1966, 3637-3639

TOPIC TAGS: elastic wave, temperature dependence, potassium compound, manganese compound, fluoride, crystal lattice vibration, second order phase transition

ABSTRACT: In view of observation of anomalies in elastic properties of strontium titanate, the authors checken on the possible existence of such anomalies in other perovskite substances, particularly KMnF<sub>3</sub>. The crystals were grown in graphite crucibles in an argon atmosphere. The temperature dependence of the elastic wave velocities were determined by pulsed ultrasonic methods at 30 MHz. The temperature dependence of the wave velocity decreased with decreasing temperature, first slowly and then abruptly at 200K, with very strong absorption at 180-190K where measurements could not be made. An increase was then observed below 180K. Twinning was observed by optical means at 180K. A similar wave-velocity dependence and absorption anomaly near 180 - 190K was observed in measurements with shear waves in the [100] direction. The anomaly in the elastic properties of KMnF<sub>3</sub> near the phase transition point (184K) is similar to that observed in SrTiO<sub>3</sub> at 110K, but the region of anomalous behavior is broader in KMnF<sub>3</sub>, beginning at 20 - 25° before the transition point, probably as

Card 1/2

ACC NR: AP7005858

a result of the larger lattice distortion. Since the phase transition of KMnF<sub>3</sub> is not accompanied by anomalies of the magnetic or dielectric properties, it is proposed that the anomalies are due primarily to changes in the lattice vibration spectrum. The spontaneous lattice deformation arising in the low-temperature phase can be interpreted from the point of view of Landau's theory of second-order phase transitions. The anomalies in the velocity and absorption of the elastic wave near the transition can also have a relaxation character. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 03May66/ ORIG REF: 001/ OTH REF: 006

Card 2/2

KUDAS, Y. [Kudasz, J.]; BESNYAK, I. [Besznyak, I.]

Experience with the reanimation of 64 patients. Grud. khir. 6  
no.1:3-6 Ja-F '64. (MIRA 18:11)

1. Klinika serdechnoy i sosudistoy khirurgii (dir. - prof.  
Y. Kudas) Meditsinskogo universiteta, Budapest. Submitted  
April 5, 1963.

BESNYÖ, L.

621.001.4 : 658

44. On the work of the Technological Institute of the Engineering Industry — A Gépgyári Technológiai Istitutum munkáiról — L. Besnyő. (Hungarian Engineering Technology — Vol. V14; No. 6, June 1952, pp. 381—313, 6 figs)

The article deals with the aims, the work already performed and the future tasks of the new Research Institute. The Institute renders a report on the progress made in deep cooling, electrical carbide coating and high speed steel deposit welding. In the interest of promoting high speed metal cutting, experiments have been conducted with domestic carbide tool tips, a book has been published on how to increase the productivity of machine tools, mechanical mounting of carbide tool tips and suggestions were made for the standardization of the latter. Further investigations on the physical bases of metal-cutting operations as well as electromechanical and electrochemical machining methods, new technological processes for producing higher surface finishes, the further development of the methods and means of machining are included in the future programme of the Institute, an important item of which is the systematic arrangement and standardization of fixtures serving the reduction of down times.

L. Besnyő

Hungarian Technical Abst.  
Vol. 5 No. 2  
1953

BESNYO, L.

"Conference on the Technology of Machine Manufacture." p. 529 (Gep. Vol. 5, no. 12, Dec. 1953.) Budapest.

Vol. 3, No. 6

SO: Monthly List of East European Accessions./Library of Congress, & June 1954, Uncl.

RESNYO, L.

Introduction of results of the Technological Institute of the Machine Industry  
into industry. p. 337.  
GEP, Budapest, Vol. 6, no. 8/9, Aug./Sept. 1954.

SO: Monthly List of East European Acquisitions, (SEAL), 10, Vol. 4, no. 10, Oct. 1955,  
Uncl.

RAPP, Tamas; BESNYO, Miklos

The 1961 experiences with our fuel oil economy. Ipari energia 3  
no.9:202-203 S '62.

1. Orszagos Energiagazdalkodasi Hatosag.

BUSINSKI, I.

Complex mechanization of construction of stabilized dirt roads. p. 24  
MUSEUMI ELET. Budapest. Vol. 9, No. 18, Dec. 1954

SOURCE: East European Acquisitions List (EEAL) Library of Congress  
Vol. 5, No. 6, June 1956

GUL'DIN, I.T.; BUZHINSKAYA, A.V.; BESOLOV, A.F.

Preparation of calcium babbitts and addition alloys by the  
electrolysis of fused salts on a movable lead cathode. TSvet.  
met. 33 no.6:61-69 Je '60. (MIRA 14:4)

1. Gintsvermet.  
(Babbit metal) (Electrometallurgy)

L 34971-65 EWP(e)/EWT(m)/EWP(t)/EWP(k)/EWP(b) Pf-4/Pad IJP(c) JD/HW  
ACCESSION NR: AP5008553 S/0286/65/000/006/0062/0063

AUTHORS: Sobol', S. I.; Besolov, A. F.; Kononov, A. V.

23  
B  
27  
27

TITLE: A method for recovering metals, for instance copper,<sup>27</sup> nickel,<sup>27</sup> and cobalt,<sup>27</sup> from solutions of their salts by recovery gases in an autoclave. Class 40, No. 169254

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 62-63

TOPIC TAGS: metal powder, chemical production, autoclave, gas pressure

ABSTRACT: This Author Certificate presents a method for recovering metals, for instance, copper, nickel, and cobalt, from solutions of their salts by recovery gases in an autoclave. To improve the quality of metallic powder and to increase the productivity of the autoclave, the solution is fed into the autoclave continuously and at a constant rate depending on the gas temperature and pressure. The terminal concentration of the recovered metal in the spent solution is held at 6-12 g/liter.

ASSOCIATION: none

Card 1/2

BESOLOV, M.F.; GRAYEVSKAY, O.N.; KOZLOV, V.A.

Consumption of nickel, zinc, lead, and tin in the United States  
(from "Yearbook of the American Bureau of Metal Statistics" 1953).  
Biul. TSIIN tsvet. met. no.4:35-36 '58. (MIRA 11:5)  
(United States--Nonferrous metals)

L 32233-65 EWP(a)/EWT(m)/EWP(t)/EWP(x)/EWP(b) Pf-4 IJP(c) JD/JG  
ACCESSION NR: AP4046749 S/0226/64/000/005/0077/0080

2/  
B

AUTHOR: Klyachko, L. I. (Ordzhonikidze); Semenova, M. P. (Ordzhonikidze); Besolova, N. K. (Ordzhonikidze)

TITLE: Experimental production and assessment of grain size in coarse grained tungsten powders

SOURCE: Poroshkovaya metallurgiya, no. 5, 1964, 77-80

TOPIC TAGS: grain size, tungsten powder, grain distribution, hydrogen

ABSTRACT: Since certain branches of technology require the use of 10 to 50  $\mu$  tungsten powder grains and a maximum homogeneity of particles according to size, experiments were carried out to reduce tungsten anhydride,  $WO_2$  and ammonium paratungstate. Powders made from reduced ammonium paratungstate or oxides proved more homogenous than powders from calcined tungsten anhydride and contained grains of the desired size range. A muffle furnace was used at a temperature of 1200 C. Hydrogen consumption was 4  $m^3/hr$  per muffle cross section. A process for the assessment of the grain size is proposed. It consists

Card 1/2

L 32233-65

ACCESSION NR: AP4046749

in mixing 100 g tungsten powder with 1 g paraffin dissolved in benzene. The mixture is dried and sieved. Compacts pressed under a hydraulic press (porosity 30 to 40%) are placed in a porcelain boat on copper plates and charged into a furnace heated to 1100C. Hydrogen is introduced and the molten copper is absorbed by the compacts. Without discontinuing the hydrogen current, the specimens are cooled, polished, etched at room temperature and the grain size determined under a microscope (120 x). Orig. art. has: 4 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 07Dec63

ENCL: 00

SUB CODE: MM

NR REF SOV: 003

OTHER: 000

Card 2/2

FOSS, V.L.; BESOLOVA, Ye.A.; IUTSENKO, I.F.

Reaction of esters of antimonous acid with ketene. Zhur. ob.  
khim. 35 no.4:759-760 Ap '65.

(MIRA 18:5)

BESOLOVA, Z. V., Cand Med Sci -- (diss) "Prophylaxis for hemorrhages after extraction of senile uncomplicated cataract." Ordzhonikidze, 1960. 27 pp; (Ministry of Public Health Georgian SSR, Tbilisi State Medical Inst); 200 copies; price not given; (KL, 27-60, 159)

BESOLOVA, Z.V., kand. med. nauk; BEKOZOVA, Z.P.

Hospital service for glaucoma patients in North Ossetia.  
Sbor. nauch. trud. SOGMI no.14:56-58 '63. (MIRA 18:9)

1. Iz kafedry glaznykh bolezney (zav.- prof. M.N. Bugulov)  
Severo-Osetinskogo meditsinskogo instituta i glaukomatoznogo  
kabineta Severo-Osetinskoy respublikanskoy bol'nitsy.

D'YAKOVA, R.M., dotsent; ZUZANOVA, V.I., prof.; LITVINENKO, A.G.  
{Lytvynenko, A.H.}; PESNYACHEVSKAYA, G.D. [Pisniacheva'ka,  
H.D.]; BEZSONOVA, M.M., prof.; BELYIY, O.F. [Belyi, O.F.];  
PRIMAKOV, S.V.; YUNKO, M.A.; GOL'DIS, S.N. [Hol'dis, S.N.];  
BARAN, M.A.; KOSACHEVSKAYA, P.I. [Kosacheva'ka, P.I.], dotsent;  
SHTAN'KO, L.V.; GAGARINOV, V.S. [Gagarynov, V.S.]

Annotations and author's abstracts. Ped. Akush. i gin. 24  
(MIA 17:4)  
no.6:33-36 '62.

1. Kafedra pediatrii Zapорожского института усовершенствования врачей (for D'yakova).
2. Kafedra pediatrii Odesskogo meditsinskogo instituta (for Zuzanova).
3. Klinika infektsionnykh bolezney Odesskogo meditsinskogo instituta (for Litvinenko).
4. Kafedra detskikh infektsionnykh bolezney Khar'kovskogo meditsinskogo instituta (for Pesnyachevskaya).
5. Klinika detskikh infektsionnykh bolezney Krymskogo meditsinskogo instituta (for Bezsonova).
6. Kafedra fakul'tetskoy pediatrii Krymskogo meditsinskogo instituta (for Belyy).
7. Shakhternaya bol'nitsa g. Bokovo-Antrasit (for Primakov).
8. Starosamborskaya rayonnaya bol'nitsa L'vovskoy oblasti (for Yunko).
9. Vinnitskaya detskaya bol'nitsa No.2 (for Gol'dis).
10. Kafedra gigiyeny Kiievskogo instituta usovvershnenstvovaniya vrachey (for Baran, Kosachevskaya).
11. Kafedra urologii Kiievskogo meditsinskogo instituta (for Shtan'ko).
12. 9-ya gorodskaya bol'nitsa g. Dneprodzerzhin's'ka (for Gagarinov).

SIDOROV, N.Ye., prof.; BESCUSEVA, V.I., assistant

Birth trauma in the newborn and measures for its control. Kaz.  
med. zhur. 41 no.1:53-56 Ja-F '60. (MIRA 13:6)

1. Iz akushersko-ginekologicheskoy kliniki No.1 (zav. - prof.  
N.Ye.Sidorov) Kazanskogo gosudarstvennogo instituta dlya  
usovershenstvovaniya vrachey im. V.I.Lenina.  
(BIRTH INJURIES)

БЕСОВ, У. В.

2

Бесов, У. В. On some properties of harmonic functions  
given in a half-space. Izv. Akad. Nauk SSSR. Ser.

Mat. 20 (1956), 469-484. (Russian)

Relationships between harmonic functions  $U$  on the  
half-space  $x_n > 0$  in  $R^n$  and the corresponding boundary  
functions  $\varphi$  are derived. In each case  $\varphi$  is assumed to  
belong to an appropriate Nikol'skii class and information  
is obtained on the  $L^p$  behavior of  $U$  and its generalized  
derivatives. For example (Theorem 2), if  $\varphi$  is in  
 $H_p^{(\tilde{r}+\epsilon-1/p)}$  for  $p, \tilde{r} \geq 1$  and  $0 < \epsilon < 1/p$ , then all generalized  
derivatives of  $U$  of orders 1 through  $\tilde{r}$  have finite  $L^p$  norm  
on the half-space. M. G. Arsova (Seattle, Wash.).

Math

Sum Wif

3

67499

~~16(1)~~ 16-1100, 16, 4200AUTHOR: Besov, O.V.

30V/155-59-1-2/30

TITLE: On Some Conditions for the Derivatives of Periodic Functions Belonging to  $L_p$ 

PERIODICAL: Nauchnyye doklady vysshchey shkoly. Fiziko-matematicheskiye nauki, 1959, Nr 1, pp 13 - 17 (USSR)

ABSTRACT: Let  $L_p$  ( $1 \leq p < \infty$ ) be the space of all  $2\pi$  - periodic functions  $f(x)$  for which

$$\|f\|_{L_p} = \left\{ \int_0^{\pi} |f(x)|^p dx \right\}^{1/p} < \infty ;$$

$E_n(f)_p$  - the best approximation of  $f(x) \in L_p$  by trigonometric polynomials  $T_n(x)$  of the order  $\leq n$  in the metric of the  $L_p$ ;

$\omega_j(f, t)_p$  - the modulus of smoothness of  $j$ -th order of

$f(x) \in L_p$ . Let  $I_1(f) \sim I_2(f)$  if there exist constants  $\beta_1, \beta_2$

so that  $\beta_1 I_1(f) \leq I_2(f) \leq \beta_2 I_1(f)$ .

Card 1/3

67499

On Some Conditions for the Derivatives of Periodic Functions Belonging to  $L_p$  SOV/155-59-1-2/30

Theorem 1 : Let  $1 \leq p < \infty$ ,  $j > r > 0$ ,  $j$ - integral,  $r = \bar{r} + \alpha$ , where  $\bar{r}$  - integral and  $0 < \alpha \leq 1$ . Then

$$E_0^p(f) + \sum_{k=0}^{\infty} 2^{kpr} E_{2k}^p(f)_p \sim \sum_{k=1}^{\infty} k^{pr-1} E_{k-1}^p(f)_p \sim$$

$$\sim \int_0^1 \frac{\omega_j^p(f, t)}{t^{pr+1}} dt \sim \int_0^1 \frac{\omega_{j-\bar{r}}^p(f(\bar{r}); t)}{t^{p\alpha+1}} dt$$

Theorem 2 : If  $f(x) \in L_p$ ,  $r = 1, 2, 3, \dots$  and if

$$\sum_{k=0}^{\infty} 2^{kpr} E_{2k}^p(f)_p < \infty \quad (1 < p \leq 2) \quad \text{or} \quad \sum_{k=0}^{\infty} 2^{2kr} E_{2k}^2(f)_p < \infty \\ (2 \leq p < \infty), \text{ then there exists } f^{(r)} \in L_p \text{ and } \cap_j(f^{(r)}; \frac{1}{n})_p \text{ is}$$

Card 2/3

67499

4

On Some Conditions for the Derivatives of Periodic Functions Belonging to  $L_p$  SOV/155-59-1-2/30

bounded to above in a certain manner.  
M.F. Timan is mentioned in the paper.  
There are 10 references, 4 of which are Soviet, 3 English,  
2 German, and 1 Polish.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova  
(Moscow State University imeni M.V. Lomonosov)

SUBMITTED: November 19, 1958

X

Card 3/3

2

16(1)

AUTHOR: Besov, O.V. GOV/20-125-6-2/67

TITLE: On Some Families of Functional Spaces. Embedding and  
Continuation TheoremsPERIODICAL: Doklady Akademii nauk SSR, 1959, Vol 126, Nr 6,  
pp 1163 - 1165 (USSR)

ABSTRACT: The author considers functional spaces

$$B_{p,\theta}^{(r_1, \dots, r_n)}$$
, which are characterized byarbitrary numbers  $p$  ( $1 \leq p \leq \infty$ ) ,  $\theta$  ( $1 \leq \theta < \infty$ ) and  $r_i > 0$   
( $i = 1, 2, \dots, n$ ). A function  $f$  belongs to
$$B_{p,\theta}^{(r_1, \dots, r_n)}$$
, if it possesses in  $p$ -th power integrable  
generalized (in the sense of S.L. Sobolev) partial de-  
rivatives  $\partial^k f / \partial x_i^k$  ( $k = 0, 1, \dots, r_i$ ;  $i = 1, 2, \dots, n$ ,  
 $r_i = \overline{r_i} + \alpha_i$ ,  $0 < \alpha_i \leq 1$ ) and if the norm of  $f$  in this

Card 1/2

On Some Families of Functional Spaces.  
Embedding and Continuation Theorems

SOV/20-126-C-2/67

space has a certain prescribed additive structure. It is shown that the same embedding theorems hold for these spaces as for the spaces

$H_p^{(r_1, \dots, r_n)}$  of S.M. Nikol'skiy.

For  $p = 2$ ,  $r_1 = \dots = r_n = 1$  these spaces are identical with the spaces of S.L. Sobolev. For  $p = 2$  and arbitrary  $r_i > 0$  the considered spaces coincide with the spaces investigated by L.N. Slobodetskiy.

The spaces  $(r_1, \dots, r_n)$   
 $B_{p,\theta}$  are

B-spaces. Six theorems are given. For the proof the author uses estimations of A.S. Dzhafarov. - There are 7 references, 6 of which are Soviet, and 1 Italian.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova  
(Moscow State University imeni M.V. Lomonosov)  
PRESENTED: March 13, 1959, by S.L. Sobolev, Academician  
SUBMITTED: March 10, 1959

Card 2/2

ASOV, G.V., Sov. Phys.-Math. Sci. - (1968) "One class of functionals of distributions. Enclosure and continuation theorem." Moscow, 1968, 8 pp  
(Mathematics Institute im V. A. Steklov, AS USSR) (SL, 34-68, 119)

BESOV, O.V.

Some properties of  $H_p(\gamma_1, \dots, \gamma_m)$  spaces. Izv.vys.ucheb.zav.; mat.  
no.1:16-23 '60. (MIRA 13:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
(Spaces, Generalized)

BESOV, O.V.

Investigation of one family of functional spaces in connection  
with the imbedding and continuity theorems. Trudy Mat. inst.  
no.60:42-81 '61. (MIRA 14:10)

(Spaces, Generalized)  
(Functional analysis)

BESOV, O.V. (Moskva)

Continuation of functions and conservation of the properties of  
the integral modulus of smoothness of second order. Mat. sbor.  
58 no.2:673-684 0 '62. (MIRA 15:9)  
(Functional analysis)

BESOV, O.V.

Example to the theory of embedding theorems. Dokl. AN SSSR  
143 no.5:1014-1016 Ap '62. (MIRA 15:4)

1. Matematicheskiy institut im. V. A. Steklova AN SSSR.  
Predstavлено академиком S.L.Sobolevym.  
(Topology)

BESOV, O.V.

Continuation of functions with conservation of their differential  
and difference properties in  $L_p$ . Dokl. AN SSSR 150 no.5:963-966  
Je '63. (MIRA 16:8)

1. Predstavleno akademikom S.L.Sobolevym.  
(Functions of several variables)

BESOV, O.V. (Moskva)

Continuation of functions beyond the bounds of a region with  
conservation of their differential-difference properties in  
an  $L_p$ . Mat. sbor. 66 no.1:80-96 Ja '65.

(MIRA 18:4)

BESOV, O.V.

Density of finite functions and the extension of classes of  
differentiable functions. Dokl. AN SSSR 165 no.4:738-741 D  
'65. (MIRA 18:12)

1. Matematicheskiy institut imeni V.A.Steklova AN SSSR.  
Submitted April 19, 1965.

BESOV, O.V.

Continuation of certain classes of differentiable functions  
beyond the domain boundary. Trudy Mat. inst. 77:35-44 '65.  
(MIRA 19:1)

L 34652-66 EWT(d)/<sup>T</sup> IJP(c) JXT(CZ)

ACC NR: AT6024713

SOURCE CODE: UR/2517/65/077/000/0035/0044

33  
B1

AUTHOR: Besov, O. V.

ORG: none \*

TITLE: Continuation of certain classes of differentiable functions beyond the boundary of a region

SOURCE: ~~AN SSSR. Matematicheskiy institut.~~ Trudy, v. 77, 1965, 35-44

TOPIC TAGS: Lipschitz condition, Euclidean space, bounded function, function analysis, differential operator, differential equation

ABSTRACT: The continuation of classes of differentiable functions has been investigated by various authors (see, e.g., S.M. NIKOL'SKIY, Matem. sb. [Mathematics Symposium], 1956, 40(82), 2, pp 244-268; A.P. CALDERON, Conference on Partial Differential Equations, University of California, 1960). The author investigates, within a region  $G$  having boundary satisfying the Lipschitz conditions, a class of functions  $H_p^r(G)$ ,  $B_p^r(G)$  characterized by the finiteness of certain differential-difference relations in the  $L_p(G)$  metric and proves the possibility of continuing such functions beyond the bounds of the  $G \subset E_n$  region into the entire  $n$ -dimensional Euclidean space  $E_n$ , at the same time preserving the properties of the functions. As a consequence, for such a function defined in  $G$  all

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ACC NR: AT6024713

properties and relationships are valid which are true for the well-known classes of functions defined respectively over  $E_n$ . The author discusses the class of regions and functions, equivalent norms, and continuations and proves numerous lemmas showing the equivalence of the original invariant norm of the  $H^r(G)$ ,  $B_{p,q}^r(G)$  spaces and the norm he discussed earlier (Matem sb., 1965, 66, (108): 1, pp 80-96). Consequently, the problem of continuation is reduced to one of the theorems in the above-quoted paper. The approach is illustrated in an example of functions which cannot be extended. The author points out, in conclusion, that the normalization may be taken in quite a general form incorporating differential operators  $P_\mu(D)$ , utilized by Smith (Bull. Amer. Math. Soc., 1961, 5. 67, N 4, 367-370). Orig. art. has: 11 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 003

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L 10401-63

EPF(c)/EWT(m)/BDS/ES(b)--AFFTC/ASD--Pr-4--AR/K  
ACCESSION NR: AP3002914 S/0220/63/032/003/0447/0449

AUTHOR: Pekhov, A. P.; Yudin, Ye. V.; Besova, T. A.; Sy\*chkov, M. S.

TITLE: Effect of high-energy protons on genetic recombination in colon bacilli

SOURCE: Mikrobiologiya, v. 32, no. 3, 1963, 447-449

TOPIC TAGS: high-energy protons, 660-Mev protons, colon bacilli, Escherichia coli, irradiation effects, genetic recombination, donor strain, receptor strain, genetic structure, transmission of characteristics

ABSTRACT: A study was conducted to determine the effect of irradiation with high-energy protons on genetic recombination of variant strains of E. coli K-12. The donor strain Hfr H was a thiamine-dependent, streptomycin-sensitive mutant. The receptor strain PA678F- was characterized by loss of ability to synthesize threonine (T-), leucine (L-), and thiamine (B sub 1-) or to ferment lactose (Lac-), galactose (Gal-), maltose (Mal-), xylose (Xyl-), and mannitol (Mtol-) and by resistance to streptomycin (Sm sup r) and Lambda phage. Transmission of characteristics from donor to receptor cells occurs in the following order: T-L-Lac-Gal-H-Sm-M. Donor strains were proton-irradiated with the synchrocyclotron

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at the Ob"yedinenny"y institut yaderny\*kh issledovaniy (Joint Institute of Nuclear Studies), then combined with the receptor strain, incubated, and the recombinants isolated. Proton irradiation of donor strain cells was found to have an effect on conjugation: the number of T<sup>+</sup> L<sup>+</sup> Sm<sup>+</sup> r recombinants increased with the radiation dose. Irradiation also had an effect on the genetic structure of the recombinants: the T<sup>+</sup> L<sup>+</sup> Sm<sup>+</sup> r recombinants received the ability to ferment lactose and galactose, and the Gal<sup>+</sup> Sm<sup>+</sup> r recombinants received the ability to ferment lactose and to synthesize threonine and leucine. The number of recombinants receiving the ability to ferment lactose and galactose and to synthesize threonine and leucine also increased as the radiation dose increased. The stimulatory character of the proton effect is apparently limited to relatively low radiation levels, since significantly greater doses of protons lower the frequency of recombination. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Institut eksperimental'noy biologii, AMN SSSR (Institute of Experimental Biology AMN SSSR)

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PEKHOV, A.P.; GOLUBEVA, I.V.; ZAKIROV, N.A.; BESOVA, T.A.

Genetic recombination in bacteria. Report No.1: Fertility of typing,  
Escherichia coli in crosses with nontyping strains and analysis of the  
recombinants. Zhur.mikrobiol.,epid.i immun. 40 no.12:102-107 D '63.  
(MIRA 17:12)

1. Iz Instituta eksperimental'noy biologii AMN SSSR i Moskovskogo  
instituta vaktsin i syvorotok imeni Mechnikova.

GOLUBEV, N.I., prof.; MIRONOV, P.N., aspirant

Modification of S.V. Fedorov's account of the origin of the right hypochondrium. Sbor. nauch. rab. Dar. gos. med. inst. 44:33-38 '64.

Technique of cholecystectomy. Nida. 14:1-50

1. Iz kliniki fakul'tetskoy khirurgii (zav. kafedry prof. N.I. Golubev) pediatriceskogo fakul'teta Saratovskogo nauchno-tekhnicheskogo instituta (rektor - doktor L.H. Ivanov) i khirurgicheskogo otdeleniya dorozhnoy klinicheskoy bol'nitsy rizvolzhskoy zheleznoy dorogi (nachal'nik bol'nitsy R.F. Nazarenko).

BESCOVA, Z.N., aspirant

Anatomical basis of the modified S.I. Fedorov's access to the organs of the right hypochondrium; experimental study. Sber. nauch. rab. Sar. ges. med. inst. 44:38-41 '64.

Comparative evaluation of the state of the anterior abdominal wall following cholecystectomy with S.I. Fedorov's, Bio-brunel's and our modified accesses. Ibid. 44:43-48

Case of Hercom's disease. Ibid.:127-130

(MIR 18:7)

I. iz kafedry fakultetiskoy chirurgii pediatricheskogo fakulteta (zav. kafedroy prof. N.I. Dolubev) Saratovskogo meditsinskogo instituta (rektor - doktor N.N. Ivanov) na mire derzhimyj 301-nicheskoy bol'nitsy Privolzhskoy chelennoy drogi (lachal'nik bol'nitsy - R.F. Nasarenko).

GOLUBEV, N.I., prof.; MEDOCHENOV, I.S., docent; RESOVA, Z.N., aspirant

"Green silk" as a warning signal against leaving foreign bodies  
in the abdominal cavity during operations. Sbor. nauch. rab. Sar.  
gos. med. inst. 44:166-171 '64. (MIRA 38:7)

I. Iz kliniki fakultetskoy khirurgii (zav. - prof. N.I. Golubev)  
pediatricheskogo fakulteta Saratovskogo meditsinskogo instituta  
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dorozhnoy klinicheskoy bol'ницы Privolzhskoy zheleznoy dorogi  
(nachal'nik R.F. Nazarenko).